

# Index to Authors

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In order to simplify the Index wherever a patent abstract gives both the name of a firm and individuals, that abstract has been indexed under the name of the firm only.

When no firm is indicated the authors' names have been arranged alphabetically, the entry appearing under the first name with cross references from the others.

Names beginning de, la, le, ter, van, von, etc., are indexed under the surname.

## Abbreviations of Names of Firms, etc.

The abbreviations listed below have been employed in the *Journal*. The shortened names of firms have been used in abstracts of patent specifications, while those abbreviations in the form of initials have been used after the commercial names of dyes.

AAP	...	American Aniline Products Inc.	G	...	General Dyestuff Corpn.
AATCC	...	American Association of Textile Chemists and Colorists	General Aniline	...	General Aniline & Film Corpn.
BASF	...	Badische Anilin- & Soda-Fabrik	Gevaert	...	Gevaert Photo-Producten N.V.
Br	...	Brotherton & Co. Ltd.	Gy	...	Geigy AG, J. R.
BrC	...	British Celanese Ltd.		...	The Geigy Co. Ltd.
CCC	...	American Cyanamid Co., Calco Chemical Division	IC	...	Interchemical Corpn.
CFM	...	Cassella Farbwerke Mainkur	ICI	...	Imperial Chemical Industries Ltd.
Ciba	...	Ciba Ltd.	JR	...	James Robinson & Co. Ltd.
Ciba Clayton	...	Ciba Clayton Ltd.	LBH	...	L. B. Holliday & Co. Ltd.
DH	...	Durand & Huguenin S.A.	Monsanto	...	Monsanto Chemical Co.
DuP	...	E. I. du Pont de Nemours & Co. Inc.	NAC	...	Allied Chemical & Dye Corpn., National Aniline Division
FBy	...	Farbenfabriken Bayer	NCO	...	Naphthol-Chemie Offenbach
FH	...	Farbwerke Hoechst	Rhône-Poulenc	...	Société des Usines Chimiques Rhône-Poulenc
Fran	...	Société Anonyme de Matières Colorantes et Produits Chimiques Francolor	S	...	Sandoz AG.
		Compagnie Française des Matières Colorantes	TE	...	Sandoz Products Ltd.
			W	...	Tennessee Eastman Corpn.
			YDC	...	Williams (Hounslow) Ltd.
				...	Yorkshire Dyeware & Chemical Co. Ltd.

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# Index to Subjects

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For the sake of simplicity and to avoid unnecessary cross references the following system has been adopted—  
 Acids, Agents, Dyes, Fibres, Oils, etc. are indexed under the qualifying term. For example Dyes are entered under Acid, Azo, Direct, Disperse, Sulphur, Vat, etc. dyes.  
 Products described as Artificial, Imitation, Synthetic, etc. are indexed under the noun they describe.  
 Wherever possible polymeric compounds are indexed together and, in the case of copolymers, one entry only appears with the components arranged alphabetically.  
 So many systems are adopted for chemical names in the various journals abstracted that, in order to bring together as many as possible, they have, in general, been indexed under the parent group followed by the substituents arranged alphabetically.

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2,825,556	58	699	78	443	125	338	220	400	265	2,865,622	315	168	471		
				445	136	360	221								
623	73	714	61	446	133	413	230	2,858,183	288	701	328	704	439		
632	58	715	61			414	236	184	259	717	315	705	432		
633	58	745	77	557	125	415	236	230	266	743	338	738	432		
646	74	746	78			232	272	744	331						
657	72	747	78	2,841,078	132	447	223	746	331						
								747	332			2,871,120	434		
707	75	2,833,022	77	494	175	676	411	748	321			137	432		
708	75			499	126							145	440		
710	60	612	140			782	220	689	259	751	396				
711	61	613	75	504	126	783	220			752	398	230	435		
724	166	614	76	507	134	784	220	2,859,080	270	771	400	234	435		
726	223	620	74	530	117	785	230	087	268	773	407	267	436		
733	125	666	78	567	160					777	399				
		670	76	575	225	2,850,351	234	134	260	778	399	2,872,277	505		
2,826,167	58	674	76	577	224	395	228	137	272	779	399	279	438		
		689	61			189	260	780	400						
477	80			858	131	400	227	781	396			333	472		
478	74	722	59			401	227	782	399	219	265	335	472		
		736	72	2,842,428	168	402	227	790	406			336	472		
506	59			451	170							356	475		
511	235	2,834,737	59	454	170	403	227	480	331						
514	76	722	224	457	170	405	234	537	394	814	397				
515	77	773	224	467	170	406	227			853	394	427	466		
560	74			473	176	408	221			854	394	428	466		
						472	229	730	335	855	395				
592	76	2,835,550	75	501	168	485	230			880	401				
596	59	562	71	509	176	486	230	2,860,069	331	882	399	2,873,164	473		
		579	76	510	177	487	230	071	335	883	408	172	465		
				536	165	493	224	073	407			193	472		
606	123	600	72	537	164	501	264			908	398	201	443		
		601	73	552	226	512	225	110	324	909	397	203	467		
2,827,356	123	604	72	828	176	515	228	143	316	916	398	261	473		
358	124	601	223							933	434	279	472		
359	76							450	328	2,866,063	394				
375	75	2,836,048	58	2,843,498	166			576	331			483	465		
382	140					329	235			254	334				
388	73	185	77	505	272	337	227	944	328	256	401	668	475		
393	73	483	71	554	170	370	229	945	328	277	400				
				559	170	371	228	946	334			784	443		
443	73			580	164	378	273	974	331	405	394				
449	65	511	60					975	332						
450	65	512	60	942	159			979	332	689	399	2,874,022	475		
451	65	516	77	956	159	424	228	981	332			023	473		
454	70	517	59					983	332	707	404	066	476		
		543	77	2,844,442	169	2,852,331	226	984	332	711	400	069	476		
2,828,181	73	573	72	443	159	345	227			720	400	075	467		
190	58	588	165	444	167	346	227			759	394				
191	58			445	168	377	233	2,861,005	323			124	466		
		2,837,405	70	465	175	381	232			2,867,493	412	136	467		
220	80	415	58	484	167	382	233	009	338	494	403	151	466		
221	80	430	76	485	167	384	229	054	334	495	401				
222	80	433	72	486	168	385	233					411	498		
223	80	438	60			397	228	863	317			416	509		
224	80	439	79	506	160	398	228	864	320	508	399	419	509		
228	77	446	59	539	166			891	324	539	399				
		462	78	547	175	405	222			543	412	674	498		
311	68	495	69	550	170	406	227	949	317	547	405				
		492	61	574	166					548	405	2,875,018	504		
552	116	520	67	581	167			2,862,280	315	549	407	045	508		
								281	335	591	400	049	506		
2,829,071	77	800	77			502	264	306	315	597	405	053	499		
072	60	832	59	2,845,023	175	503	264	383	412			058	506		
		834	59			504	264					074	501		
110	60			326	224			2,853,458	228	602	401	076	501		
139	66	2,838,397	273	420	226	481	264	444	331	617	399	077	503		
148	66					485	221					085	501		
149	66							783	335	892	440	086	501		
								784	329			092	507		
943	80	412	72	787	219	2,854,316	227			2,868,615	438	099	499		
980	135	413	69			338	233	833	327	662	408				
		416	77	2,846,423	230	345	229	834	325	663	408	102	508		
		420	259	448	221	355	234	835	335	664	432	105	502		
2,830,005	235	423	77			356	221			668	438	166	499		
011	77	426	80	946	220	357	221	2,863,714	323	669	432	167	507		



## LIST OF UNITED STATES PATENTS ABSTRACTED—continued

No. of Patent	Page	No. of Patent	Page	No. of Patent	Page	No. of Patent	Page	No. of Patent	Page	No. of Patent	Page	No. of Patent	Page
2,875,173	509	2,877,132	506	2,878,205	504	2,879,246	565	2,882,121	568	2,884,678	546	2,887,408	574
190	470	133	506	206	504	266	500	156	550			409	548
193	471	138	503	207	504			158	562	705	546	460	565
		166	500	208	504	739	546	159	563			480	563
504	498	167	501	209	504			160	560	2,885,267	546		
		168	501	210	504	2,880,050	571	176	567	269	546	2,888,313	626
769	501	169	501	211	504	051	567	177	563			314	613
		177	498	212	504	052	571	178	563	303	575	315	624
2,876,061	505	178	498	213	504	053	550	185	549	308	547	363	612
063	497			214	504	054	574	186	549	374	576	365	624
		201	499	215	504	055	574			392	618	369	628
117	504	204	509	216	504			268	617			388	627
118	504	218	500	217	504	104	565	269	617	2,886,399	512		
119	501	230	562	218	504	105	548	280	562			463	561
127	498			219	504	107	548			400	512	467	562
130	508	717	497	220	504	114	574	2,883,258	561	401	576		
131	507	739	498	221	504	116	576	274	546	402	507	2,889,192	628
133	501			222	504					415	564		
136	507	2,878,096	505	223	504	236	548	304	549	435	572	233	627
140	507			224	504	2,881,045	571	369	547	436	559	299	629
141	498			225	504	046	574			436	565		
		104	497	226	504	084	548	2,884,300	562	470	575		
201	498	119	504	227	504	084	548	301	548	472	573	303	624
205	498	134	501	228	504	087	547	330	565	473	573	307	631
		135	502	229	504	097	549	336	576	474	549		
490	497	140	502	230	504	098	577	337	577			648	612
		141	502	231	504			340	577				
		144	498			143	565	343	575	538	548	2,890,092	627
524	507	145	507	511	546	146	549	388	565	539	549	093	627
				519	576	147	567	393	577	565	563	094	626
2,877,083	505	200	504			184	549			2,887,042	546	097	628
084	507	202	504	25,879,168	565			402	563			192	622
		203	504	177	577	2,882,119	571	410	620	397	577	193	613
126	501	204	504	178	576	120	568	424	559	398	567		

# LIST OF PERIODICALS ABSTRACTED

With Abbreviated Titles used

JANUARY—DECEMBER 1959

ABBREVIATED TITLE	JOURNAL	ADDRESS OF PUBLISHER
<i>Amer. Dyestuff Rep.</i> ...	American Dyestuff Reporter ...	44 E. 23rd Street, New York 10, N.Y., U.S.A.
<i>Anal. Chem.</i> ...	Analytical Chemistry ...	American Chemical Society, 20th and Northampton Streets, Easton, Pa., U.S.A.
<i>Analyst</i> ...	Analyst ...	7-8 Idol Lane, London E.C.3.
<i>A.Q.T. Boletín Técnico Informativo</i> ...	A.Q.T. Boletín Técnico Informativo ...	Asociación Química Textil, Talcahuano 265, Buenos Aires, Argentina.
<i>Australian J. Biol. Sci.</i> ...	Australian Journal of Biological Sciences ...	Commonwealth Scientific and Industrial Research Organisation, 314 Albert Street, East Melbourne C2, Victoria, Australia.
<i>Biochem. J.</i> ...	Biochemical Journal ...	Cambridge University Press, Bentley House, 200 Euston Road, London N.W.1.
<i>Biochim. Biophys. Acta</i> ...	Biochimica et Biophysica Acta ...	Elsevier Publishing Company, Spuistraat 112, Amsterdam C, Holland.
<i>Bull. Chem. Soc. Japan</i> ...	Bulletin of the Chemical Society of Japan ...	5, 1-Chome, Surugadai-Kanda, Chiyoda-ku, Tokyo, Japan
<i>Bull. Inst. Text. France</i> ...	Bulletin de l'Institut Textile de France ...	59 Rue de la Faisanderie, Paris XVI, France.
<i>Bull. Soc. industr. Mulhouse</i> ...	Bulletin de la Société Industrielle de Mulhouse ...	12 Rue de la Bourse, Mulhouse (Haut-Rhin), France.
<i>Bar. Stand. J. Res.</i> ...	Journal of Research of the National Bureau of Standards ...	Superintendent of Documents, U.S. Government Printing Office, Washington 25, D.C., U.S.A.
<i>Canadian Textile J.</i> ...	Canadian Textile Journal ...	Canadian Textile Journal Publishing Co. Ltd., 223 Victoria Avenue, Westmount, Montreal 6, Canada
<i>Chem. Abs.</i> ...	Chemical Abstracts ...	American Chemical Society, 1155 16th Street, N.W., Washington 6, D.C., U.S.A.
<i>Chem. and Ind.</i> ...	Chemistry and Industry ...	14 Belgrave Square, London S.W.1.
<i>Chem. Trade J.</i> ...	Chemical Trade Journal ...	Davis Bros. (C.T.J.) Ltd., 147-149 Grand Buildings, Trafalgar Square, London W.C.2.
<i>Ciba Review</i> ...	Ciba Review ...	Ciba Ltd., Basle, Switzerland.
<i>Doklady Akad. Nauk S.S.S.R.</i> ...	Doklady Akademii Nauk S.S.S.R. ...	Academy of Sciences of the U.S.S.R., Leningrad 164, V.O. Tamozhenny pereulok 2, U.S.S.R.
<i>Dyer</i> ...	The Dyer, Textile Printer, Bleacher and Finisher ...	Heywood & Co. Ltd., Drury House, Russell Street, Drury Lane, London W.C.2.
<i>Endeavour</i> ...	Endeavour ...	Imperial Chemical Industries Ltd., Nobel House, Buckingham Gate, London S.W.1.
<i>Faserforsch. und Textiltech.</i> ...	Faserforschung und Textiltechnik ...	Akademie-Verlag G.m.b.H., Berlin W.8, Mohrenstrasse 39, Germany.
<i>Helv. chim. Acta</i> ...	Helvetica chimica Acta ...	Verlag Helvetica Chimica Acta, Basle 7, Switzerland.
<i>Hexagon Digest</i> ...	Hexagon Digest ...	Imperial Chemical Industries Ltd., Dyestuffs Division, Blackley, Manchester 9.
<i>Ind. Eng. Chem.</i> ...	Industrial and Engineering Chemistry ...	American Chemical Society, 1155 16th Street, N.W., Washington 6, D.C., U.S.A.
<i>Indian Textile J.</i> ...	Indian Textile Journal ...	The Indian Textile Journal Ltd., "Surya Mahal", Military Square, Fort, Bombay, India.
<i>Ingen. text.</i> ...	Ingeniería Textil ...	Mallorea 279, 2º, 3º, Barcelona, Spain.
<i>Izvestiya Akad. Nauk S.S.S.R., otdel. khim. nauk</i> ...	Izvestiya Akademii Nauk S.S.S.R. ...	Academy of Sciences of the U.S.S.R., Moscow, B.Kaluzhskaya 14, U.S.S.R.
<i>J. Amer. Chem. Soc.</i> ...	Journal of the American Chemical Society ...	1155 16th Street, N.W., Washington 6, D.C., U.S.A.
<i>J. Amer. Leather Chem. Assocn.</i> ...	Journal of the American Leather Chemists' Association ...	228 North Green Street, Easton, Pennsylvania, U.S.A.
<i>J. Amer. Oil Chem. Soc.</i> ...	Journal of the American Oil Chemists' Society ...	35 E. Wacker Drive, Chicago, Illinois, U.S.A.
<i>J. Appl. Chem.</i> ...	Journal of Applied Chemistry ...	Society of Chemical Industry, 14 Belgrave Square, London S.W.1.
<i>J. Applied Polymer Sci.</i> ...	Journal of Applied Polymer Science ...	Interscience Publishers Ltd., 88-90 Chancery Lane, London W.C.2.
<i>J. Assocn. Off. Agric. Chem.</i> ...	Journal of the Association of Official Agricultural Chemists ...	Association of Official Agricultural Chemists, Washington, D.C., U.S.A.
<i>J. Biol. Chem.</i> ...	Journal of Biological Chemistry ...	Mount Royal and Guilford Avenues, Baltimore 2, Maryland, U.S.A.
<i>J.C.S.</i> ...	Journal of the Chemical Society ...	Burlington House, London W.1.
<i>J. Chem. Phys.</i> ...	Journal of Chemical Physics ...	American Institute of Physics, Lancaster, Pennsylvania, U.S.A.
<i>J. Colloid Sci.</i> ...	Journal of Colloid Science ...	Academic Press, Mount Royal and Guilford Avenues, Baltimore, Maryland, U.S.A.
<i>J. Indian Chem. Soc.</i> ...	Journal of the Indian Chemical Society ...	92 Upper Circular Road, Calcutta 9, India.
<i>J. Oil &amp; Col. Chem. Assocn.</i> ...	Journal of the Oil and Colour Chemists' Association ...	Wax Chandlers' Hall, Gresham Street, London E.C.2.
<i>J. Opt. Soc. Amer.</i> ...	Journal of the Optical Society of America ...	American Institute of Physics, Prince and Lemon Streets, Lancaster, Pennsylvania, U.S.A.
<i>J. Physical Chem.</i> ...	Journal of Physical Chemistry ...	American Chemical Society, 20th and Northampton Streets, Easton, Pa., U.S.A.
<i>J. Plastics Inst.</i> ...	Transactions and Journal, The Plastics Institute ...	6 Mandeville Place, London, W.1.
<i>J. Polymer Sci.</i> ...	Journal of Polymer Science ...	Interscience Publishers Inc., 250 Fifth Avenue, New York 1, N.Y., U.S.A.

## LIST OF PERIODICALS ABSTRACTED—continued

ABBREVIATED TITLE	JOURNAL	ADDRESS OF PUBLISHER
<i>J. Roy. Inst. Chem.</i> ... ..	Journal of the Royal Institute of Chemistry ...	Royal Institute of Chemistry, 80 Russell Square, London W.C.1.
<i>J. Soc. Leather Trades Chem.</i> ... ..	Journal of the Society of Leather Trades' Chemists ... ..	200A Woodcote Road, Wallington, Surrey.
<i>J. Soc. Textile Cellulose Ind. Japan</i> ... ..	Journal of the Society of Textile and Cellulose Industries, Japan (Sen-i Gakkaishi) ... ..	c/o Tokyo Institute of Technology, Ookayama, Meguro-ku, Tokyo, Japan.
<i>J. Textile Inst.</i> ... ..	Journal of the Textile Institute ... ..	10 Blackfriars Street, Manchester 3.
<i>Kolloid. zhur.</i> ... ..	Kolloidnyi zhurnal (Colloid Journal of the U.S.S.R.) ... ..	Academy of Sciences of the U.S.S.R., Moscow B64, Podsoenskii 21, U.S.S.R.
<i>Makromol. Chem.</i> ... ..	Die Makromolekulare Chemie ... ..	Dr. Alfred Hüthig Verlag, G.m.b.H., Wilckenstr. 3, Heidelberg, Germany.
<i>Melliand Textilber.</i> ... ..	Melliand Textilberichte ... ..	Melliand Textilberichte KG, Rohrbacherstr. 76, Postfach 181, Heidelberg, Germany.
<i>Mh. Chem.</i> ... ..	Monatshefte für Chemie und verwandte Teile anderer Wissenschaften ... ..	Springer-Verlag, Wien I, Mölkerbastei 5, Austria
<i>Nature</i> ... ..	Nature ... ..	Macmillan & Co. Ltd., St. Martin's Street, London, W.C.2.
<i>Off. Dig. Fed. Paint Varn. Prod. Cl.</i> ... ..	Official Digest, Federation of Paint and Varnish Production Clubs ... ..	121 South Broad Street, Philadelphia 7, Pa., U.S.A.
<i>Optics and Spectroscopy</i> ... ..	English translation of— Optika i Spektroskopiya, q.v. ... ..	The Optical Society of America, Inc., 33 University Road, Cambridge 38, Massachusetts, U.S.A.
<i>Optika i Spektroskopiya</i> ... ..	Optika i Spektroskopiya ... ..	Academy of Sciences of the U.S.S.R., Moscow B 64, Podsoenskii 21, U.S.S.R.
<i>Pakistan J. Scientific and Industrial Res.</i> ... ..	Pakistan Journal of Scientific and Industrial Research ... ..	141-S/2, P.E.C.H.S., Karachi-29, Pakistan.
<i>Proc. Chem. Soc.</i> ... ..	Proceedings of the Chemical Society ... ..	Burlington House, London W.1.
<i>Proc. I.R.I.</i> ... ..	Transactions and Proceedings Institution of the Rubber Industry ... ..	4 Kensington Palace Gardens, London W.8.
<i>Proc. Roy. Soc.</i> ... ..	Proceedings of the Royal Society ... ..	Burlington House, London, W.1.
<i>Proc. Tech. Sectn. British Paper &amp; Board Makers' Assocn.</i> ... ..	Proceedings of the Technical Section of the British Paper & Board Makers' Assocn. (Inc.) ... ..	British Paper & Board Makers' Assocn. (Inc.), St. Winifreds, Welcomes Road, Kenley, Surrey.
<i>Rec. Trav. chim.</i> ... ..	Recueil des Travaux chimiques des Pays-Bas ... ..	Zeverijnstraat 4, Hilversum, Holland.
<i>Rept. Govt. Chem. Ind. Research Inst. Tokyo</i> ... ..	Reports of the Government Chemical Industrial Research Institute, Tokyo ... ..	1-chome, Hatagaya Hon-machi, Shibuya-ku, Tokyo, Japan.
<i>Silk and Rayon</i> ... ..	Skinner's Silk and Rayon Record ... ..	St. James House, 44 Brasenose Street, Manchester 2.
<i>Studii și Cercetări Științifice, Timișoara, Seria Științe Chimice</i> ... ..	Studii și Cercetări Științifice, Timișoara, Seria Științe Chimice ... ..	Academia Republicii Populare Romne, Baza de Cercetări Științifice, Timișoara, Bul. Mihai Viteazul 24, Roumania.
<i>Svensk Papperstidning</i> ... ..	Svensk Papperstidning ... ..	8, Blasieholmshamnen 4A, Stockholm, Sweden.
<i>S.V.F. Fachorgan</i> ... ..	S.V.F. Fachorgan für Textilveredlung ... ..	Basle 1, Postfach 201, Switzerland.
<i>Teintex</i> ... ..	Teintex, incorporating Revue Générale des Matières Colorantes ... ..	60 rue Richelieu, Paris II, France.
<i>Teinture et Apprêts</i> ... ..	Teinture et Apprêts ... ..	Société d'Éditions Techniques de la Manutention Textile, 12 Rue d'Anjou, Paris (8 <sup>e</sup> ), France.
<i>Tekhnol. tekstil. prom.</i> ... ..	Izvestiya vshchikh uchebnykh zavedenii, Tekhnologiya tekstil'noi promyshlennosti (Technology of the Textile Industry of the U.S.S.R.) ... ..	Ivanovo, ulitsa Lenina 15/8, U.S.S.R.
<i>Tekstil. prom.</i> ... ..	Tekstil'naya promyshlennost' (Textile Industry of the U.S.S.R.) ... ..	Gizlegprom, Moscow, Tsentr, ulitsa Kirova 39, 3-1 etazh, Komnata 325, U.S.S.R.
<i>Tex</i> ... ..	De Tex ... ..	Klosterstraat 17, Enschede, Holland.
<i>Text. Manuf.</i> ... ..	Textile Manufacturer ... ..	31 King Street West, Manchester 3.
<i>Text. Rec.</i> ... ..	Textile Recorder ... ..	Old Colony House, South King Street, Manchester 2.
<i>Text. Research J.</i> ... ..	Textile Research Journal ... ..	Lancaster Press Inc., Prince and Lemon Streets, Lancaster, Pennsylvania, U.S.A.
<i>Textil Praxis</i> ... ..	Textil Praxis ... ..	Konradin-Verlag Robert Kohlhammer GmbH, Stuttgart 8, Danneckerstrasse 52, Germany.
<i>Textil-Rund.</i> ... ..	Textil-Rundschau ... ..	Verlag Zollikofer & Co., St. Gallen, Switzerland.
<i>Textile J. of Australia</i> ... ..	Textile Journal of Australia ... ..	19-47 Jeffcott Street, Melbourne, Australia.
<i>Tintoria</i> ... ..	Tintoria ... ..	Via Negrol 51, Milan, Italy.
<i>Tint. Ind.</i> ... ..	Tintoreria industrial ... ..	Tacuari 454, Buenos Aires, Argentina.
<i>Trans. Faraday Soc.</i> ... ..	Transactions of the Faraday Society ... ..	Aberdeen University Press Ltd., 6 Upper Kirkgate, Aberdeen, Scotland.
<i>Trans. I.R.I.</i> ... ..	Transactions and Proceedings Institution of the Rubber Industry ... ..	4 Kensington Palace Gardens, London W.8.
<i>Trans. Plastics Inst.</i> ... ..	Transactions and Journal The Plastics Institute ... ..	6 Mandeville Place, London W.1.
<i>Ukrain. khim. zhur.</i> ... ..	Ukrainskii khimicheskii zhurnal (Ukrainian Chemical Journal) ... ..	Kiev, Ulitsa Repina 3, U.S.S.R.
<i>Zesz. Nauk. Politech. Łódz.</i> ... ..	Zeszyty Naukowe Politechniki Łódzkiej ... ..	Łódź, Gdanska 155, Poland.
<i>Zhur. obshch. khim.</i> ... ..	Zhurnal obshch. khimii (Journal of General Chemistry of the U.S.S.R.) ... ..	Academy of Sciences of the U.S.S.R., Leningrad 164, Mendeleevskaya liniya, d.1, U.S.S.R.
<i>Zhur. priklad. khim.</i> ... ..	Zhurnal prikladnoi khimii (Journal of Applied Chemistry of the U.S.S.R.) ... ..	Academy of Sciences of the U.S.S.R., Leningrad V.O, Mendeleevskaya liniya, U.S.S.R.

# ABBREVIATIONS AND SYMBOLS USED IN THE JOURNAL OF THE SOCIETY OF DYERS AND COLOURISTS

No distinction is made in abbreviations between singular and plural

In special cases abbreviations and symbols other than those in the list may be used, but as far as possible they will be as given either in standard English dictionaries or in *British Standard* 1991: Part 1: 1954

absolute ...	abs.	Fahrenheit ...	°F.	para- ...	p-
acid value ...	A.V.	foot ...	ft.	parts per million ...	p.p.m.
alkyl radical (in chemical formula) ...	Alk	freezing point ...	f.p.	Patent ...	P
alternating current ...	A.C.	French Patent ...	FP	potential difference ...	p.d.
ampère ...	amp.	gallon (Imperial) ...	gal.	pound ...	lb.
Angström unit ...	Å	gallon (U.S.A.) ...	gal.(U.S.A.)	powder ...	pdr.
anhydrous ...	anhyd.	German Patent ...	GP	precipitate ...	ppt.
approximate, -ly ...	approx., ca., ~	gram ...	g.	precipitated ...	pptd.
		greater than ...	>	precipitation ...	pptn.
				proportional to ...	∝
aqueous ...	aq.	halogen (in chemical formula) ...	Hal	pseudo- (organic compound) ...	ψ-
aryl radical (in chemical formula) ...	Ar	horse power ...	h.p.		
asymmetric (applied to organic compounds) ...	as-	hour ...	hr.	qualitative(ly) ...	qual.
atmosphere (pressure unit) ...	atm.	hundredweight ...	cwt.	quantitative(ly) ...	quant.
atomic ...	at.	hydrogen ion concentration (negative logarithm) ...	pH		
atomic weight ...	at. wt.	inch ...	in.	racemic (organic chemistry) ...	r-
		inorganic ...	inorg.	recrystallised ...	recryst.
Baumé ...	Bé.	insoluble ...	insol.	refractive index ...	n
boiling point ...	b.p.	iodine value ...	I.V.	relative humidity ...	R.H.
British Patent ...	BP	kilocalorie ...	kcal.	revolutions per minute ...	r.p.m.
British thermal unit ...	B.Th.U.	kilogram ...	kg.		
		laevorotatory ...	laevo, (-)-	saponification value ...	S.V.
calculated ...	calc.	less than ...	<	saturate(d) ...	sat.*
calorie ...	cal.	logarithm (decadic) ...	log	second ...	sec.
Centigrade ...	c.	logarithm (natural) ...	ln	secondary (organic compound) ...	sec.-
centimetre ...	cm.	maximum ...	max.	soluble ...	sol.
compound ...	cpd.	melting point ...	m.p.	solution ...	soln.
concentrated ...	conc.	meta- ...	m-	specific ...	sp.
concentration ...	concn.	metre ...	m.	specific gravity ...	sp. gr.
configuration (carbohydrates and amino acids) ...	D-, L-	microgram ...	μg.	square (in., cm., etc.) ...	sq.
constant ...	const.	micron ...	μ.	substituted ...	subst.*
containing more than n carbon atoms ...	containing > n C	milliampere ...	ma.	substitution on nitrogen, oxygen, etc. ...	N-, O-, etc.
		milligram ...	mg.	symmetrical (organic compound) ...	s-
corrected ...	corr.	millilitre ...	ml.		
crystal, -line, -lised (adjective) ...	cryst.	millimetre ...	mm.	temperature ...	temp.
cubic ...	cu.	millimicron ...	mμ. (10A.)	tertiary- (organic compound) ...	tert.-
cubic centimetre ...	c.c.	millivolt ...	mv.	turns per inch ...	t.p.in.
		minimum ...	min.	Twaddell ...	Tw.
		minute ...	min.		
decomposition ...	decomp.	molar (concentration) ...	M. or m-	United States Patent ...	USP
degree of polymerisation ...	D.P.	molecular, -e ...	mol.	unsaturated ...	unsat.*
density ...	d	molecular weight ...	mol. wt.	unsubstituted ...	unsubst.*
derivative ...	deriv.	normal (concentration) ...	N. or n-		
dextrorotatory ...	dextro, (+)-	normal (organic compound) ...	n-	viscosity ...	η
dilute ...	dil.	normal temperature and pressure ...	N.T.P.	volt ...	v.
direct current ...	D.C.	not greater than ...	≥	volume ...	vol.
distil, -led ...	dist.	not less than ...	≤		
		organic ...	org.	watt ...	w.
electromotive force ...	e.m.f.	ortho- ...	o-	wavelength ...	λ
equimolecular ...	equimol.	ounce ...	oz.	weight ...	wt.
equivalent ...	equiv.			yard ...	yd.

\* Only in describing general formulae in the Abstracts Section.



